



## SEQUENCE LISTING

<110> AKIRA, SHIZUO  
HEMMI, HIROAKI

<120> RECEPTOR PROTEINS SPECIFICALLY RECOGNIZING BACTERIAL  
DNA

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<140> 10/088,567

<141> 2002-03-19

<150> PCT/JP01/04731

<151> 2001-06-05

<150> JP 2000-219652

<151> 2000-07-19

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<170> PatentIn Ver. 3.3

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                               Met Gly Phe
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Cys Arg Ser Ala Leu His Pro Leu Ser Leu Leu Val Gln Ala Ile Met
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Leu Ala Met Thr Leu Ala Leu Gly Thr Leu Pro Ala Phe Leu Pro Cys
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ccg gtt ggc ctc agc ccc atg cac ttc ccc tgc cac atg acc atc gag	451
Pro Val Gly Leu Ser Pro Met His Phe Pro Cys His Met Thr Ile Glu	
100 105 110 115	
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Pro Ser Thr Phe Leu Ala Val Pro Thr Leu Glu Glu Leu Asn Leu Ser	
120 125 130	
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Tyr Asn Asn Ile Met Thr Val Pro Ala Leu Pro Lys Ser Leu Ile Ser	
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Tyr Asn Gly Ile Thr Thr Val Pro Arg Leu Pro Ser Ser Leu Val Asn
                135                    140                    145

ctg agc ctg agc cac acc aac atc ctg gtt cta gat gct aac agc ctc 595
Leu Ser Leu Ser His Thr Asn Ile Leu Val Leu Asp Ala Asn Ser Leu
    150                    155                    160

gcc ggc cta tac agc ctg cgc gtt ctc ttc atg gac ggg aac tgc tac 643
Ala Gly Leu Tyr Ser Leu Arg Val Leu Phe Met Asp Gly Asn Cys Tyr
    165                    170                    175

tac aag aac ccc tgc aca gga gcg gtg aag gtg acc cca ggc gcc ctc 691
Tyr Lys Asn Pro Cys Thr Gly Ala Val Lys Val Thr Pro Gly Ala Leu
   180                    185                    190                    195

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ctg ggc ctg agc aat ctc acc cat ctg tct gtg aag tat aac aac ctc	739
Leu Gly Leu Ser Asn Leu Thr His Leu Ser Val Lys Tyr Asn Asn Leu	
200 205 210	
aca aag gtg ccc cgc caa ctg ccc ccc agc ctg gag tac ctc ctg gtg	787
Thr Lys Val Pro Arg Gln Leu Pro Pro Ser Leu Glu Tyr Leu Leu Val	
215 220 225	
tcc tat aac ctc att gtc aag ctg ggg cct gaa gac ctg gcc aat ctg	835
Ser Tyr Asn Leu Ile Val Lys Leu Gly Pro Glu Asp Leu Ala Asn Leu	
230 235 240	
acc tcc ctt cga gta ctt gat gtg ggt ggg aat tgc cgt cgc tgc gac	883
Thr Ser Leu Arg Val Leu Asp Val Gly Gly Asn Cys Arg Arg Cys Asp	
245 250 255	
cat gcc ccc aat ccc tgt ata gaa tgt ggc caa aag tcc ctc cac ctg	931
His Ala Pro Asn Pro Cys Ile Glu Cys Gly Gln Lys Ser Leu His Leu	
260 265 270 275	
cac cct gag acc ttc cat cac ctg agc cat ctg gaa ggc ctg gtg ctg	979
His Pro Glu Thr Phe His His Leu Ser His Leu Glu Gly Leu Val Leu	
280 285 290	
aag gac agc tct ctc cat aca ctg aac tct tcc tgg ttc caa ggt ctg	1027
Lys Asp Ser Ser Leu His Thr Leu Asn Ser Ser Trp Phe Gln Gly Leu	
295 300 305	
gtc aac ctc tgc gtg ctg gac cta agc gag aac ttt ctc tat gaa agc	1075
Val Asn Leu Ser Val Leu Asp Leu Ser Glu Asn Phe Leu Tyr Glu Ser	
310 315 320	
atc aac cac acc aat gcc ttt cag aac cta acc cgc ctg cgc aag ctc	1123
Ile Asn His Thr Asn Ala Phe Gln Asn Leu Thr Arg Leu Arg Lys Leu	
325 330 335	
aac ctg tcc ttc aat tac cgc aag aag gta tcc ttt gcc cgc ctc cac	1171
Asn Leu Ser Phe Asn Tyr Arg Lys Lys Val Ser Phe Ala Arg Leu His	
340 345 350 355	
ctg gca agt tcc ttc aag aac ctg gtg tca ctg cag gag ctg aac atg	1219
Leu Ala Ser Ser Phe Lys Asn Leu Val Ser Leu Gln Glu Leu Asn Met	
360 365 370	
aac ggc atc ttc ttc cgc tgc ctc aac aag tac acg ctc aga tgg ctg	1267
Asn Gly Ile Phe Phe Arg Ser Leu Asn Lys Tyr Thr Leu Arg Trp Leu	
375 380 385	
gcc gat ctg ccc aaa ctc cac act ctg cat ctt caa atg aac ttc atc	1315
Ala Asp Leu Pro Lys Leu His Thr Leu His Leu Gln Met Asn Phe Ile	
390 395 400	
aac cag gca cag ctc agc atc ttt ggt acc ttc cga gcc ctt cgc ttt	1363
Asn Gln Ala Gln Leu Ser Ile Phe Gly Thr Phe Arg Ala Leu Arg Phe	
405 410 415	

gtg gac ttg tca gac aat cgc atc agt ggg cct tca acg ctg tca gaa	1411
Val Asp Leu Ser Asp Asn Arg Ile Ser Gly Pro Ser Thr Leu Ser Glu	
420 425 430 435	
gcc acc cct gaa gag gca gat gat gca gag cag gag gag ctg ttg tct	1459
Ala Thr Pro Glu Glu Ala Asp Asp Ala Glu Gln Glu Glu Leu Leu Ser	
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gcg gat cct cac cca gct cca ctg agc acc cct gct tct aag aac ttc	1507
Ala Asp Pro His Pro Ala Pro Leu Ser Thr Pro Ala Ser Lys Asn Phe	
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atg gac agg tgt aag aac ttc aag ttc acc atg gac ctg tct cgg aac	1555
Met Asp Arg Cys Lys Asn Phe Lys Phe Thr Met Asp Leu Ser Arg Asn	
470 475 480	
aac ctg gtg act atc aag cca gag atg ttt gtc aat ctc tca cgc ctc	1603
Asn Leu Val Thr Ile Lys Pro Glu Met Phe Val Asn Leu Ser Arg Leu	
485 490 495	
cag tgt ctt agc ctg agc cac aac tcc att gca cag gct gtc aat ggc	1651
Gln Cys Leu Ser Leu Ser His Asn Ser Ile Ala Gln Ala Val Asn Gly	
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tct cag ttc ctg ccg ctg act aat ctg cag gtg ctg gac ctg tcc cat	1699
Ser Gln Phe Leu Pro Leu Thr Asn Leu Gln Val Leu Asp Leu Ser His	
520 525 530	
aac aaa ctg gac ttg tac cac tgg aaa tcg ttc agt gag cta cca cag	1747
Asn Lys Leu Asp Leu Tyr His Trp Lys Ser Phe Ser Glu Leu Pro Gln	
535 540 545	
ttg cag gcc ctg gac ctg agc tac aac agc cag ccc ttt agc atg aag	1795
Leu Gln Ala Leu Asp Leu Ser Tyr Asn Ser Gln Pro Phe Ser Met Lys	
550 555 560	
ggg ata ggc cac aat ttc agt ttt gtg gcc cat ctg tcc atg cta cac	1843
Gly Ile Gly His Asn Phe Ser Phe Val Ala His Leu Ser Met Leu His	
565 570 575	
agc ctt agc ctg gca cac aat gac att cat acc cgt gtg tcc tca cat	1891
Ser Leu Ser Leu Ala His Asn Asp Ile His Thr Arg Val Ser Ser His	
580 585 590 595	
ctc aac agc aac tca gtg agg ttt ctt gac ttc agc ggc aac ggt atg	1939
Leu Asn Ser Asn Ser Val Arg Phe Leu Asp Phe Ser Gly Asn Gly Met	
600 605 610	
ggc cgc atg tgg gat gag ggg ggc ctt tat ctc cat ttc ttc caa ggc	1987
Gly Arg Met Trp Asp Glu Gly Gly Leu Tyr Leu His Phe Phe Gln Gly	
615 620 625	
ctg agt ggc ctg ctg aag ctg gac ctg tct caa aat aac ctg cat atc	2035
Leu Ser Gly Leu Leu Lys Leu Asp Leu Ser Gln Asn Asn Leu His Ile	
630 635 640	

ctc cgg ccc cag aac ctt gac aac ctc ccc aag agc ctg aag ctg ctg Leu Arg Pro Gln Asn Leu Asp Asn Leu Pro Lys Ser Leu Lys Leu Leu 645 650 655	2083
agc ctc cga gac aac tac cta tct ttc ttt aac tgg acc agt ctg tcc Ser Leu Arg Asp Asn Tyr Leu Ser Phe Phe Asn Trp Thr Ser Leu Ser 660 665 670 675	2131
ttc ctg ccc aac ctg gaa gtc cta gac ctg gca ggc aac cag cta aag Phe Leu Pro Asn Leu Glu Val Leu Asp Leu Ala Gly Asn Gln Leu Lys 680 685 690	2179
gcc ctg acc aat ggc acc ctg cct aat ggc acc ctc ctc cag aaa ctg Ala Leu Thr Asn Gly Thr Leu Pro Asn Gly Thr Leu Leu Gln Lys Leu 695 700 705	2227
gat gtc agc agc aac agt atc gtc tct gtg gtc cca gcc ttc ttc gct Asp Val Ser Ser Asn Ser Ile Val Ser Val Val Pro Ala Phe Phe Ala 710 715 720	2275
ctg gcg gtc gag ctg aaa gag gtc aac ctc agc cac aac att ctc aag Leu Ala Val Glu Leu Lys Glu Val Asn Leu Ser His Asn Ile Leu Lys 725 730 735	2323
acg gtg gat cgc tcc tgg ttt ggg ccc att gtg atg aac ctg aca gtt Thr Val Asp Arg Ser Trp Phe Gly Pro Ile Val Met Asn Leu Thr Val 740 745 750 755	2371
cta gac gtg aga agc aac cct ctg cac tgt gcc tgt ggg gca gcc ttc Leu Asp Val Arg Ser Asn Pro Leu His Cys Ala Cys Gly Ala Ala Phe 760 765 770	2419
gta gac tta ctg ttg gag gtg cag acc aag gtg cct ggc ctg gct aat Val Asp Leu Leu Leu Glu Val Gln Thr Lys Val Pro Gly Leu Ala Asn 775 780 785	2467
ggg gtg aag tgt ggc agc ccc ggc cag ctg cag ggc cgt agc atc ttc Gly Val Lys Cys Gly Ser Pro Gly Gln Leu Gln Gly Arg Ser Ile Phe 790 795 800	2515
gca cag gac ctg cgg ctg tgc ctg gat gag gtc ctc tct tgg gac tgc Ala Gln Asp Leu Arg Leu Cys Leu Asp Glu Val Leu Ser Trp Asp Cys 805 810 815	2563
ttt ggc ctt tca ctc ttg gct gtg gcc gtg ggc atg gtg gtg cct ata Phe Gly Leu Ser Leu Leu Ala Val Ala Val Gly Met Val Val Pro Ile 820 825 830 835	2611
ctg cac cat ctc tgc ggc tgg gac gtc tgg tac tgt ttt cat ctg tgc Leu His His Leu Cys Gly Trp Asp Val Trp Tyr Cys Phe His Leu Cys 840 845 850	2659
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ctc ccc tat gat gcc ttc gtg gtg ttc gat aag gca cag agc gca gtt 2755  
 Leu Pro Tyr Asp Ala Phe Val Val Phe Asp Lys Ala Gln Ser Ala Val  
 870 875 880

gcg gac tgg gtg tat aac gag ctg cgg gtg cgg ctg gag gag cgg cgc 2803  
 Ala Asp Trp Val Tyr Asn Glu Leu Arg Val Arg Leu Glu Glu Arg Arg  
 885 890 895

ggt cgc cga gcc cta cgc ttg tgt ctg gag gac cga gat tgg ctg cct 2851  
 Gly Arg Arg Ala Leu Arg Leu Cys Leu Glu Asp Arg Asp Trp Leu Pro  
 900 905 910 915

ggc cag acg ctc ttc gag aac ctc tgg gct tcc atc tat ggg agc cgc 2899  
 Gly Gln Thr Leu Phe Glu Asn Leu Trp Ala Ser Ile Tyr Gly Ser Arg  
 920 925 930

aag act cta ttt gtg ctg gcc cac acg gac cgc gtc agt ggc ctc ctg 2947  
 Lys Thr Leu Phe Val Leu Ala His Thr Asp Arg Val Ser Gly Leu Leu  
 935 940 945

cgc acc agc ttc ctg ctg gct cag cag cgc ctg ttg gaa gac cgc aag 2995  
 Arg Thr Ser Phe Leu Leu Ala Gln Gln Arg Leu Leu Glu Asp Arg Lys  
 950 955 960

gac gtg gtg gtg ttg gtg atc ctg cgt ccg gat gcc cac cgc tcc cgc 3043  
 Asp Val Val Val Leu Val Ile Leu Arg Pro Asp Ala His Arg Ser Arg  
 965 970 975

tat gtg cga ctg cgc cag cgt ctc tgc cgc cag agt gtg ctc ttc tgg 3091  
 Tyr Val Arg Leu Arg Gln Arg Leu Cys Arg Gln Ser Val Leu Phe Trp  
 980 985 990 995

ccc cag cag ccc aac ggg cag ggg ggc ttc tgg gcc cag ctg agt aca 3139  
 Pro Gln Gln Pro Asn Gly Gln Gly Gly Phe Trp Ala Gln Leu Ser Thr  
 1000 1005 1010

gcc ctg act agg gac aac cgc cac ttc tat aac cag aac ttc tgc cgg 3187  
 Ala Leu Thr Arg Asp Asn Arg His Phe Tyr Asn Gln Asn Phe Cys Arg  
 1015 1020 1025

gga cct aca gca gaa tag ctgagagcaa cagctggaaa cagctgcatc 3235  
 Gly Pro Thr Ala Glu  
 1030

ttcatgctg gttcccgagt tgctctgcct gccttgctct gtcttactac accgctatctt 3295

ggcaagtgcg caatatatgc taccaagcca ccaggccac ggagcaaagg ttggcagtaa 3355

agggtagttt tcttcccatg catctttcag gagagtgaag atagacacca gaccacaca 3415

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 <213> Mus musculus

&lt;400&gt; 4

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Ala	Ala	Val	Leu	Ala	Glu	Thr	Leu	Ala	Leu	Gly	Thr	Leu	Pro	Ala	Phe
			20					25					30		
Leu	Pro	Cys	Glu	Leu	Lys	Pro	His	Gly	Leu	Val	Asp	Cys	Asn	Trp	Leu
		35					40					45			
Phe	Leu	Lys	Ser	Val	Pro	Arg	Phe	Ser	Ala	Ala	Ala	Ser	Cys	Ser	Asn
	50					55					60				
Ile	Thr	Arg	Leu	Ser	Leu	Ile	Ser	Asn	Arg	Ile	His	His	Leu	His	Asn
65					70					75					80
Ser	Asp	Phe	Val	His	Leu	Ser	Asn	Leu	Arg	Gln	Leu	Asn	Leu	Lys	Trp
				85					90					95	
Asn	Cys	Pro	Pro	Thr	Gly	Leu	Ser	Pro	Leu	His	Phe	Ser	Cys	His	Met
			100					105					110		
Thr	Ile	Glu	Pro	Arg	Thr	Phe	Leu	Ala	Met	Arg	Thr	Leu	Glu	Glu	Leu
		115					120					125			
Asn	Leu	Ser	Tyr	Asn	Gly	Ile	Thr	Thr	Val	Pro	Arg	Leu	Pro	Ser	Ser
	130					135					140				
Leu	Val	Asn	Leu	Ser	Leu	Ser	His	Thr	Asn	Ile	Leu	Val	Leu	Asp	Ala
145					150					155					160
Asn	Ser	Leu	Ala	Gly	Leu	Tyr	Ser	Leu	Arg	Val	Leu	Phe	Met	Asp	Gly
				165					170					175	
Asn	Cys	Tyr	Tyr	Lys	Asn	Pro	Cys	Thr	Gly	Ala	Val	Lys	Val	Thr	Pro
			180					185					190		
Gly	Ala	Leu	Leu	Gly	Leu	Ser	Asn	Leu	Thr	His	Leu	Ser	Val	Lys	Tyr
		195					200					205			
Asn	Asn	Leu	Thr	Lys	Val	Pro	Arg	Gln	Leu	Pro	Pro	Ser	Leu	Glu	Tyr
	210					215					220				
Leu	Leu	Val	Ser	Tyr	Asn	Leu	Ile	Val	Lys	Leu	Gly	Pro	Glu	Asp	Leu
225					230					235					240
Ala	Asn	Leu	Thr	Ser	Leu	Arg	Val	Leu	Asp	Val	Gly	Gly	Asn	Cys	Arg
				245					250					255	
Arg	Cys	Asp	His	Ala	Pro	Asn	Pro	Cys	Ile	Glu	Cys	Gly	Gln	Lys	Ser
			260					265					270		
Leu	His	Leu	His	Pro	Glu	Thr	Phe	His	His	Leu	Ser	His	Leu	Glu	Gly
		275					280					285			
Leu	Val	Leu	Lys	Asp	Ser	Ser	Leu	His	Thr	Leu	Asn	Ser	Ser	Trp	Phe
	290					295					300				

Gln	Gly	Leu	Val	Asn	Leu	Ser	Val	Leu	Asp	Leu	Ser	Glu	Asn	Phe	Leu	305	310	315	320
Tyr	Glu	Ser	Ile	Asn	His	Thr	Asn	Ala	Phe	Gln	Asn	Leu	Thr	Arg	Leu	325	330	335	
Arg	Lys	Leu	Asn	Leu	Ser	Phe	Asn	Tyr	Arg	Lys	Lys	Val	Ser	Phe	Ala	340	345	350	
Arg	Leu	His	Leu	Ala	Ser	Ser	Phe	Lys	Asn	Leu	Val	Ser	Leu	Gln	Glu	355	360	365	
Leu	Asn	Met	Asn	Gly	Ile	Phe	Phe	Arg	Ser	Leu	Asn	Lys	Tyr	Thr	Leu	370	375	380	
Arg	Trp	Leu	Ala	Asp	Leu	Pro	Lys	Leu	His	Thr	Leu	His	Leu	Gln	Met	385	390	395	400
Asn	Phe	Ile	Asn	Gln	Ala	Gln	Leu	Ser	Ile	Phe	Gly	Thr	Phe	Arg	Ala	405	410	415	
Leu	Arg	Phe	Val	Asp	Leu	Ser	Asp	Asn	Arg	Ile	Ser	Gly	Pro	Ser	Thr	420	425	430	
Leu	Ser	Glu	Ala	Thr	Pro	Glu	Glu	Ala	Asp	Asp	Ala	Glu	Gln	Glu	Glu	435	440	445	
Leu	Leu	Ser	Ala	Asp	Pro	His	Pro	Ala	Pro	Leu	Ser	Thr	Pro	Ala	Ser	450	455	460	
Lys	Asn	Phe	Met	Asp	Arg	Cys	Lys	Asn	Phe	Lys	Phe	Thr	Met	Asp	Leu	465	470	475	480
Ser	Arg	Asn	Asn	Leu	Val	Thr	Ile	Lys	Pro	Glu	Met	Phe	Val	Asn	Leu	485	490	495	
Ser	Arg	Leu	Gln	Cys	Leu	Ser	Leu	Ser	His	Asn	Ser	Ile	Ala	Gln	Ala	500	505	510	
Val	Asn	Gly	Ser	Gln	Phe	Leu	Pro	Leu	Thr	Asn	Leu	Gln	Val	Leu	Asp	515	520	525	
Leu	Ser	His	Asn	Lys	Leu	Asp	Leu	Tyr	His	Trp	Lys	Ser	Phe	Ser	Glu	530	535	540	
Leu	Pro	Gln	Leu	Gln	Ala	Leu	Asp	Leu	Ser	Tyr	Asn	Ser	Gln	Pro	Phe	545	550	555	560
Ser	Met	Lys	Gly	Ile	Gly	His	Asn	Phe	Ser	Phe	Val	Ala	His	Leu	Ser	565	570	575	
Met	Leu	His	Ser	Leu	Ser	Leu	Ala	His	Asn	Asp	Ile	His	Thr	Arg	Val	580	585	590	
Ser	Ser	His	Leu	Asn	Ser	Asn	Ser	Val	Arg	Phe	Leu	Asp	Phe	Ser	Gly	595	600	605	



Asn	Gly	Met	Gly	Arg	Met	Trp	Asp	Glu	Gly	Gly	Leu	Tyr	Leu	His	Phe	610	615	620	
Phe	Gln	Gly	Leu	Ser	Gly	Leu	Leu	Lys	Leu	Asp	Leu	Ser	Gln	Asn	Asn	625	630	635	640
Leu	His	Ile	Leu	Arg	Pro	Gln	Asn	Leu	Asp	Asn	Leu	Pro	Lys	Ser	Leu	645	650	655	
Lys	Leu	Leu	Ser	Leu	Arg	Asp	Asn	Tyr	Leu	Ser	Phe	Phe	Asn	Trp	Thr	660	665	670	
Ser	Leu	Ser	Phe	Leu	Pro	Asn	Leu	Glu	Val	Leu	Asp	Leu	Ala	Gly	Asn	675	680	685	
Gln	Leu	Lys	Ala	Leu	Thr	Asn	Gly	Thr	Leu	Pro	Asn	Gly	Thr	Leu	Leu	690	695	700	
Gln	Lys	Leu	Asp	Val	Ser	Ser	Asn	Ser	Ile	Val	Ser	Val	Val	Pro	Ala	705	710	715	720
Phe	Phe	Ala	Leu	Ala	Val	Glu	Leu	Lys	Glu	Val	Asn	Leu	Ser	His	Asn	725	730	735	
Ile	Leu	Lys	Thr	Val	Asp	Arg	Ser	Trp	Phe	Gly	Pro	Ile	Val	Met	Asn	740	745	750	
Leu	Thr	Val	Leu	Asp	Val	Arg	Ser	Asn	Pro	Leu	His	Cys	Ala	Cys	Gly	755	760	765	
Ala	Ala	Phe	Val	Asp	Leu	Leu	Leu	Glu	Val	Gln	Thr	Lys	Val	Pro	Gly	770	775	780	
Leu	Ala	Asn	Gly	Val	Lys	Cys	Gly	Ser	Pro	Gly	Gln	Leu	Gln	Gly	Arg	785	790	795	800
Ser	Ile	Phe	Ala	Gln	Asp	Leu	Arg	Leu	Cys	Leu	Asp	Glu	Val	Leu	Ser	805	810	815	
Trp	Asp	Cys	Phe	Gly	Leu	Ser	Leu	Leu	Ala	Val	Ala	Val	Gly	Met	Val	820	825	830	
Val	Pro	Ile	Leu	His	His	Leu	Cys	Gly	Trp	Asp	Val	Trp	Tyr	Cys	Phe	835	840	845	
His	Leu	Cys	Leu	Ala	Trp	Leu	Pro	Leu	Leu	Ala	Arg	Ser	Arg	Arg	Ser	850	855	860	
Ala	Gln	Ala	Leu	Pro	Tyr	Asp	Ala	Phe	Val	Val	Phe	Asp	Lys	Ala	Gln	865	870	875	880
Ser	Ala	Val	Ala	Asp	Trp	Val	Tyr	Asn	Glu	Leu	Arg	Val	Arg	Leu	Glu	885	890	895	
Glu	Arg	Arg	Gly	Arg	Arg	Ala	Leu	Arg	Leu	Cys	Leu	Glu	Asp	Arg	Asp	900	905	910	

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<211> 20
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
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<210> 6
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<212> DNA
<213> Mus musculus
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<220>  
<221> CDS  
<222> (1) .. (144)
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Ser	Asn	Leu	Arg	Gln	Leu	Asn	Leu	Lys	Trp	Asn	Cys	Pro	Pro	Thr	Gly		
1				5					10					15			
ctt	agc	ccc	ttg	cac	ttc	tct	tgc	cac	atg	acc	att	gag	ccc	aga	acc	96	
Leu	Ser	Pro	Leu	His	Phe	Ser	Cys	His	Met	Thr	Ile	Glu	Pro	Arg	Thr		
			20					25					30				

ttc ctg gct atg cgt aca ctg gag gag ctg aac ctg agc tat aat ggt 144  
Phe Leu Ala Met Arg Thr Leu Glu Glu Leu Asn Leu Ser Tyr Asn Gly  
35 40 45

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<210> .7
<211> 48
<212> PRT
<213> Mus musculus
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<400> 7  
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Leu Ser Pro Leu His Phe Ser Cys His Met Thr Ile Glu Pro Arg Thr  
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Phe Leu Ala Met Arg Thr Leu Glu Glu Leu Asn Leu Ser Tyr Asn Gly  
35 40 45

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<210> 8
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<220>
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Ser	Asn	Leu	Arg	Gln	Leu	Asn	Leu	Lys	Trp	Ile	Leu	Ser	Thr	Cys	Pro	
1				5					10					15		
cga	cgg	atc	cga	aca	aac	gac	cca	aca	ccc	gtg	cgt	ttt	att	ctg	tct	96
Arg	Arg	Ile	Arg	Thr	Asn	Asp	Pro	Thr	Pro	Val	Arg	Phe	Ile	Leu	Ser	
			20					25					30			
ttt	tat	tgc	cga	tcc	cct	cag	aag	aac	tcg	tca	aga	agg	cga	tag		141
Phe	Tyr	Cys	Arg	Ser	Pro	Gln	Lys	Asn	Ser	Ser	Arg	Arg	Arg			
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<211> 46
<212> PRT
<213> Mus musculus
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 20 25 30  
 Phe Tyr Cys Arg Ser Pro Gln Lys Asn Ser Ser Arg Arg  
 35 40 45